PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

Sheet 1 of 1

Atty. Docket No. 02303.0005.PCUS00 Serial No. 10/064,320

First Named-Inventors:

MARTINSSON, Par, et al

Filing Date 07/02/2002

Group <del>3747</del> 1フム牛

#### **U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number	Date of Publication	Name of Patentee or Applicant of Cited Document	Int'l. Class	U.S. Class
R. J.C.	Al	4075985	02-28-1978	Iwai	F02B 33/04	123/73 A

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Country Code – Number – Kind Code	Date of Publication (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	English
R.J.C.	Bl	WO 8902031 A1	03-09-1989	Brunswick Corp.	YES
R.L.C.	B2	DE 3329791 A1	02-28-1985	VDO Adolf Schindling AG	NO
R. R.C.	B3	JP 57-183520 A	11-11-1982	ISAO ODA	NO
R. L.C.	B4	DE 3722424 A1	01-14-1988	Bombardier-Rotax GmbH	NO

EXAMINER	Richard	Z.	Chiesa	DATE CONSIDERED	June 20	, 2003
<b>♦</b> E	'.' 1 'C C 1	<del></del>		 		

\*Examiner: Initial if referenced considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office- US DEPARTMENT OF COMMERCE

MAR 2 0 2003

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Sheet 1 of 3

ark Office: U.S. DEFAK	IFR Office: U.S. DEFARTMENT OF COMMERCE					
Atty. Docket No.	Serial No.					
02303.0005.PCUS00	10/064,320					
First Named Invent						
MARTINSSON, Par	etal					
Filing Date	Group 9747 1フシリ					
07/02/2002	9747 1724					

### **U.S. PATENT DOCUMENTS**

Examiner	Cite	Document	Date of	Name of Patentee or Applicant	Int'l.	U.S.
Initials	No.	Number	Publication	of Cited Document	Class	⊬ Cl௵
R.L.C.	Al	968200	08/23/1910	A. F. Scott	·	<u>E</u> 2
R.a.C.	A2	980134	12/27/1910	F. W. Springer	ーフ	<
R.L.C.	A3	1113456	10/13/1914	J. McIntosh	<u> </u>	<b>E</b>
R.J.C	A4	1121584	12/15/1914	W. Harper, Jr.	<u> </u>	OF F
R.J.C.	A5	2317772	05/16/1941	F. Huber et al.	!!	₹
R.J.C.	A6	4067302	01/10/1978	Ehrlich	a	
R.L.C.	A7	4176631	12/04/1979	Kanao		
K.J.C.	A8	4248185	02/03/1981	Jaulmes		
R. Z.C.	A9	4253433	03/03/1981	Blair		
R.a.C.	A10	4306522	12/22/1981	Fotsch		
R.L.C.	A11	4340016	07/20/1982	Ehrlich		
R.d.c.	A12	4481910	11/13/1984	Sheaffer		
R.L.C.	A13	4969425	11/13/1990	Slee		
R.Z.C.	A14	4987864	01/291991	Cantrell et al.		D
R. L.C.	A15	5379732	01/10/1995	Mavinahally et al.		<u></u>
R.L.C.	A16	5425346	06/20/1995	Mavinahally MA	R 2 1 2003	
R. L.C.	A17	5645026	07/08/1997	Schlessmann	N & L ZUUJ	
R.J.C.	A18	5857450	01/12/1999	Staerzl TECHNOL	DGY CENTER (	3700
R. Z.C.	A19	6016776	01/25/2000	Jonsson		
R.L.C.	A20	6085703	07/11/2000	Noguchi		
R. L.C.	A21	6112708	09/05/2000	Sawada et al.		
R.L.C.	A22	6216650	04/17/2001	Noguchi		
L.L.C.	A23	6240886 B1	06/05/2001	Noguchi		
R. L.C.	A24	6289856 B1	09/18/2001	Noguchi		

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Country Code – Number – Kind Code (if known)	Date of Publication (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where relevant passages or Figures appear	English
R.L.C.	B1	WO 98 57053 A1	12-17-1998	Komatsu Zenoah Co.		English Abstract
l.d.C.	B2	WO 00 43650 A1	12-27-2000	Aktiebolaget Electrolux		YES
R.J.C.	В3	WO 00 65209 A1	11-02-2000	Komatsu Zenoah Co.		English Abstract

EXAMINER Richard L. Chiesa DATE CONSIDERED June 20, 2003

<sup>\*</sup>Examiner: Initial if referenced considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Sheet 2 of 3

rk Office: U.S. DEPARTMENT OF COMMERCE						
Atty. Docket No.		Serial No.				
02303.0005.PCUS00		10/064,320				
-First Named Invent	ors					
MARTINSSON, Par	eta	1				
Filing Date	-	Group				
07/02/2002		3747 1724				

## **FOREIGN PATENT DOCUMENTS Continued**

Examiner Initials	Cite No.	Country Code – Number – Kind Code (if known)	Date of Publication (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where relevant passages or Figures appear	· English
R.L.C.	B4	WO 01 25604 A1	04-12-2001	Komatsu Zenoah Co.		English Abstract
R.L.C.	B5	WO 01 44634 A1	06-21-2001	Komatsu Zenoah Co.	-G / W	Hoerish Aberract
R.L.C.	B6	GB 2022699 A	12-19-1979	The Queens University of Belfast, Ireland		YBS
R.Z.C.	В7	GB 2130642 A	06-06-1984	Nippon Clean Engine Research Institute, Ltd.		YE
R.LC.	B8	AT 394755 B	11-15-1991	Bombardier-Rotax Gesellschaft M.B.H.	<u>a</u>	English Abstract
K.J.C.	B9	DE 420100	10-16-1925	Fritz Reider		No
R. L.C.	B10	DE 470603	01-24-1929	Gustav Schulze		No
RLC.	B11	DE 748415	11-02-1944	Die Angabe des Patentinhabers		No
R.L.C.	B12	DE 749456	11-24-1944	Die Angabe des Patentinhabers		No
R.L.C.	B13	DE 2151941	04-26-1973	Blume		No
R.L.C.	B14	DE 2650834	06-30-1977	Thaelmann Fahrzeug Jagdwaffen		English Abstract
R.J.C.	B15	DE 19857738 A1	07-01-1999	Kern, Herbert, DiplIng.	,	No
R.J.C.	B16	EP 0337768 A2	10-18-1989	Tait, Robert John		YES
R. L.C.	B17	EP 0391793 A1	10-10-1990	Societe Nouvelle R.K.D.		No
R. L.C.	B18	EP 0971110 A1	01-12-2000	Komatsu Zenoah Co.		YES
R.d.C.	B19	EP 0997620 A2	05-03-2000	Komatsu Zenoah Co.		YES
R.L.C.	B20	FR 784866	07-27-1935	The Villiers Engineering Company Limited		No
R.L.C.	B21	FR 1434710	02-28-1966	Fichtel & Sachs Aktiengesellschaft		No

EXAMINER O POO.	DATE CONSIDERED
EXAMINER Richard J. Chiesa	June 20,2003

\*Examiner: Initial if referenced considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office- US DEPARTMENT OF COMMERCE

**RECEIVED** 

MAR 2 1 2003

MAR 2 0 2003 W

PTO/SB/08A (08-00)

<del>3747</del> 1724

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

07/02/2002

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Sheet 3 of 3

Atty. Docket No.		Serial No.
02303.0005.PCUS00	)	10/064,320
First Named Invent	ors	-
MARTINSSON, Par	etal	
Filing Date		Group

### FOREIGN PATENT DOCUMENTS Continued

Examiner Initials	Cite No.	Country Code – Number – Kind Code (if known)	Date of Publication (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where relevant passages or Figures appear	English
R.L.C.	B22	JP 56102519	01-12-1983	Nippon Clean Engine RES		English Abstract
R.L.C.	B23	JP 07269356	10-17-1995	Ishikawajima Shibaura Mach Co Ltd.		English Abstract
R.L.C.	B24	JP 2000170611	06-20-2000	Komatsu Zenoah Co.	# W OO	English Abstract
R.L.C.	B25	JP 2000328945	11-28-2000	Komatsu Zenoah Co.		English Abstract
R.LC.	B26	JP 2000337154	12-05-2000	Komatsu Zenoah Co.		English Abstract
R.L.C.	B27	JP 58-005423	01-12-1983	Nihon Kurinenjin Kenkyusho	-Œ-×	English Abstract

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author, title of the article, title of the item, date, page(s), volume-	English		
Illiliais		issue number(s), publisher, city and/or country where published			
	C1	F. W. Lanchester and R. H. Pearsall, THE INSTITUTION OF AUTOMOBILE ENGINEERS. An	Yes		
R.L.C.		Investigation Of Certain Aspects Of The Two-Stroke Engine For Automobile Vehicles, February			
		1922, Pages 55-62, The Automobile Engineer.			
Rd.C.	C2	DrIng. Kurt Blume, Gaißach, Zweitakt-Gemischspülung mit Spülvorlage, 1972,	No		
K. a. C.		Pages 475-479, DK 621.43—144.4.058.2, Motortechnische Zeitschrift 74 (1972) 12.			
	C3	Prof.Dr.H.P.Lenz, Dipl.Ing.G.Bruner, Dipl.Ing. F. Gerstl, Abschlußbericht, zum Forschungsauftrag	No		
		sur Entwicklung eines Ladungswechselverfahrens mit Spülvorlage für Motorfahrräder, March 1978,			
l LC		Pages 1-16, Tables I-III, Bild 1-17, Z-NR. B0644, INSTITUT FÜR			
```		VERBRENNUNGSKRAFTMASCHINEN UND KRAFTFAHREWSEN. TECHNISCHE			
		UNIVERSITÄT WIEN.			
	C4	DiplIng. Friedrich GERSTL, DISSERTATION, MASSNAHMEN ZUR ABGAS - UND	Yes		
000		VERBRAUCHSVERBESSERUNG VON KLEIMVOLUMIGEN ZWEITAKT – OTTOMOTOREN,			
l.L.C.		ausgefuhrt sum Zwecke, der Erlangung des akademischen Grades eines Doktors der technischen			
		Wissenschaften, eingereicht an der Technischen Universitat in Wein, August 1979.			
C.K.C.	C5	J. Meyer, Air-Head Charge Stratification Of A Two-Stroke Outboard Engine, March 1992, The	Yes		
(·.d.,L.,		Queen's University of Belfast, School of Mechanical & Manufacturing Engineering.			
	C6	Dr. R. Pischinger, 5 <sup>TH</sup> GRAZ TWO-WHEELER SYMPOSIUM, April 22-23, 1993, Heft 65,	Yes		
RLC.		Technische Universitat Graz, Mitteilungen des Institutes fur Verbrennungskraftmaschinen und			
		Thermodynamik, Belfast, Ireland.			

EXAMINER Richard L. Chiesa	DATE CONSIDERED June 20, 2003
*Evansimons Initial if referenced considered sub-standard states	(1 ) (DED (40 D

\*Examiner: Initial if referenced considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office—US DEPARTMENT OF COMMERCE VED

MAR 2 1 2003